GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:1366
ANSWERED ON:09.02.2017
Public and Private Investment in Power Sector
Raj Dr. Udit

Will the Minister of POWER be pleased to state:

(a) the amount of public and private investment made in the power sector during the Eleventh and Twelfth Plan periods;

(b) whether any study has been conducted to assess the additional power requirement of the country during the next ten years;

(c) if so, the details thereof along with the resources identified for the purpose; and

(d) the steps proposed to be taken by the Union Government to enhance public and private investment in the power sector to achieve the goal of round the clock supply of power to all?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) : The amount of public and private investment made in the power sector (excluding renewable energy) during the Eleventh and Twelfth Plan periods is as under:-
Rs. in crore
Sector Eleventh Plan Twelfth Plan
Public 3,92,110 6,98,191
Private 3,01,370 4,42,588
Total 6,93,480 11,40,779

(b) & (c) : The electricity demand of the country is periodically assessed by Electric Power Survey Committee (EPSC), taking into account the actual electricity demand incident on the system in the past years, various policies and programmes of the Government, various developmental activities planned for future, etc. The latest electricity demand forecast report is the 19th Electric Power Survey of India.

As per 19th Electric Power Survey (EPS) Report brought out by Central Electricity Authority, the Electric Energy Requirement (EER) and Peak Demand of the country for year 2016-17, 2021-22 & 2026-27 is given below:

Year Electrical Energy Requirement (MU) Peak Demand (MW)
2016-17 1160429 161834
2021-22 1566023 225751
2026-27 2047434 298774

Thermal generation with a capacity of 51218.59 MW, hydro generation with a capacity of 12,217.5 MW and nuclear generation with a capacity of 7700 MW are at various stages of construction. In addition, 44,100 MW nuclear capacity have also been identified, for which "In-Principle" approval has been accorded by the Government. Further, Government of India has set a target of 175 GW capacity from Renewable Energy Sources by 2022.

(d) : Various initiatives have been taken by the Union Government to encourage public and private investment in the power sector.

(i) Government of India has notified the National Electricity Policy in the year 2005 and the Revised Tariff Policy on 28.1.2016 with various provisions to encourage private sector participation in generation as well as in transmission.

(ii) 100% Foreign Direct Investment (FDI) through automatic route is allowed for projects of power generation (except atomic energy), transmission, distribution and trading. FDI up to 49% is allowed in Power Exchanges registered under the Central Electricity Regulatory Commission (Power Market) Regulations, 2010, under the automatic route.

(iii) The Government has notified Ujjwal Discom Assurance Yojana (UDAY) scheme on 20.11.2015 for Operational & Financial Turnaround of DISCOMs.

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